| FORMATION DISCLOSURE STATEMENT BY APPLICANT  APPLICATION NO.: 10/511,012  APPLICATION NO.: 10/511,012  ATTY. DOCKET NO.: S1459.70047  FILING DATE: October 12, 2004 CONFIRMATION NO.: 6931  APPLICANT: Masahiro Morooka et al. | OIPE    |                  |                  |                  |                                    |
|--|---------|------------------|------------------|------------------|------------------------------------|
| INFORMATION DISCLOSURE  FILING DATE: October 12, 2004 CONFIRMATION NO.: 6931   | 12 2/   | ified PTO/SR/08) | APPLICATION NO.: | 10/511,012       | ATTY. DOCKET NO.: \$1459.70047US00 |
|  | \'/\    | •                | FILING DATE:     | October 12, 2004 | CONFIRMATION NO.: 6931             |
|  |         |                  | APPLICANT:       | Masahiro Morooka | a et al.                           |
| Sheet 1 of 1 GROUP ART UNIT: 1746 EXAMINER: Not yet assign   | Sheet 1 | of 1             | GROUP ART UNIT:  | 1746             | EXAMINER: Not yet assigned         |

| I I | 2  | PA           | TF | NT  | DO           |     | MENTS    |   |
|-----|----|--------------|----|-----|--------------|-----|----------|---|
| · · | σ. | $\mathbf{r}$ |    | 1 1 | $\mathbf{p}$ | CUI | AIGH I S | • |

| Examiner's Cite U.S. Patent Document |     | ument  | Name of Patentee or Applicant of Cited | Date of Publication or Issue |                                 |  |
|--------------------------------------|-----|--------|--|------------------------------|---------------------------------|--|
| Initials #                           | No. | Number | Kind<br>Code                           | Document                     | of Cited Document<br>MM-DD-YYYY |  |
|                                      |     |        |  |                              |                                 |  |
|                                      |     |        |  |                              |                                 |  |
|                                      |     |        |  |                              |                                 |  |
|                                      |     |        |  |                              |                                 |  |
|                                      |     |        |  |                              |                                 |  |
|                                      |     |        |  |                              |                                 |  |
|                                      |     | -,,    |  |                              |                                 |  |

## FOREIGN PATENT DOCUMENTS

|                        |                        |                         |                         | CALLACIA     | TATEM DOCUMENTS                        |                           |  |
|------------------------|------------------------|-------------------------|-------------------------|--------------|--|---------------------------|--|
| Examiner's Cite        |                        | Foreign Patent Document |                         |              | Name of Patentee or Applicant of Cited | Date of Publication of    | Translatio                               |
| Initials #             | No.                    | Office/<br>Country      | Number                  | Kind<br>Code | Document                               | Cited Document MM-DD-YYYY | (Y/N)                                    |
| 2650005500055000555000 | 0009380003300938800038 | Japan                   | 08-88030                |              | Showda Denko KK                        | 04-02-1996                | Nanocensconsons de la conscons           |
|                        |                        | Japan                   | 2000-306605             | A            | Dainippon Ink & Chem Inc               | 11-02-2000                | Y  |
|                        |                        | Japan                   | 2001-110462             |              | Hitmen Alexandra                       | 04-20-2001                | Y  |
|                        |                        | Japan                   | <del>2001-3</del> 13074 | Α            | Hitachi Chem Co Ltd                    | 11-09-2001                | Y  |
| 90559005599065990659   | OUGSELVOORENOOSS SOORE | Japan                   | 2002-42879              | Α            | Hitachi Chem Co Ltd                    | 02-08-2002                | s socias constructivo de la constructivo |
|                        |                        |                         |                         |              |  |                           |  |
|                        |                        |                         |                         |              |  |                           |  |

## OTHER ART — NON PATENT LITERATURE DOCUMENTS

| Examiner's<br>Initials # | Cite<br>No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.          | Translation<br>(Y/N) |
|--------------------------|------------|--|----------------------|
| /A.T./                   |            | Regan et al., "A low-cost, high efficiency solar cell bases on dye-sensitized colloidal TiO <sub>2</sub> films," Nature, Vol. 353, October 24, 1991, pp. 737-740   | N/A                  |
|                          |            | Nazeeruddin et al., "Acid—Base Equilibria of (2,2'-Bipyridl-4,4'—dicarboxylic acid)ruthenium(II) Complexes and the Effect of Protonation on Charge—Transfer Sensitization of Nanocrystalline Titania," <i>Inorganic Chemistry</i> , Vol. 38, No. 26, 1999, pp. 6298-6305 | N/A                  |
| V                        |            | Arakawa Hironori, "Recent Advances in Research and Development for Dye-Sensitized Solar Cells," 2001, pp. 45-47, ISBN4-88231-314-6   | N                    |

| EXAMINER:              | DATE CONSIDERED: |  |
|------------------------|------------------|--|
| /Alexander Tumminelli/ | 06/07/2008       |  |
|                        |                  |  |

[NOTE – No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]

<sup>#</sup> EXAMINER: Initial if reference considered, whether or notcitation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>\*</sup>a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_, filed \_\_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation-in-part, and divisional applications).